

L Number	Hits	Search Text	DB	Time stamp
6	0	(((((cpu resource memor\$3) near5 (usage use used using consumption consum\$3)) with ((another second) near5 (threshold limit\$5 watermark water-mark (water adj2 mark)) near5 (drop\$4 low\$2 down fall\$3 fell))) same (applet code instruction application program process\$2) ) and ( (applet code instruction application program process\$2) near5 priorit\$3) same (boost\$3 rais\$3 up high)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/30 11:37
7	71	(((((cpu resource memor\$3) same (usage use used using consumption consum\$3)) same ((another second) same (threshold limit\$5 watermark water-mark (water adj2 mark)) same (drop\$4 low\$2 down fall\$3 fell))) same (applet code instruction application program process\$2) ) same ( (applet code instruction application program process\$2) same priorit\$3) same (boost\$3 rais\$3 up high)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/30 11:40
8	4	(((((cpu resource memor\$3) same (usage use used using consumption consum\$3)) same ((another second) same (threshold limit\$5 watermark water-mark (water adj2 mark)) same (drop\$4 low\$2 down fall\$3 fell))) same (applet code instruction application program process\$2) ) same ( (applet code instruction application program process\$2) near5 priorit\$3) near5 (boost\$3 rais\$3 up high)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/30 11:40
-	7	((((resource near3 manag\$3) and (resource near5 (threshold usage) )) and (resource near5 indicator)) not (((resource near3 manag\$3) and (resource near5 usage) ) and (resource near5 indicator)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/10 12:33
-	0	((((resource near3 manag\$3) and (resource near5 (threshold usage) )) and (resource near5 indicator)) and (monitor near6 execut\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/10 14:04
-	35	(((((resource near3 (usage track\$3 monitor\$3 indicat\$3 manag\$3)) and (resource near5 (threshold usage) )) and (monitor near6 execut\$3)) and (application program applet execut\$3)) and (updat\$3 increas\$3 decreas\$3 modif\$4 reduc\$3 low\$3 high\$3 increment\$3 indicat\$3 chang\$3)) and (resource near3 (updat\$3 indicat\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/13 09:18
-	29	(((((resource near3 (usage track\$3 monitor\$3 indicat\$3 manag\$3)) and (resource near5 (threshold usage) )) and ((track\$3 monitor check\$3 indicat\$3) near6 (run\$4 execut\$3 thread\$2))) and (application program applet execut\$3)) and (updat\$3 increas\$3 decreas\$3 modif\$4 reduc\$3 low\$3 high\$3 increment\$3 indicat\$3 chang\$3)) and (resource near3 indicator)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/13 10:25
-	18	((((((resource near3 (usage track\$3 monitor\$3 indicat\$3 manag\$3)) and (resource near5 (threshold usage) )) and ((track\$3 monitor check\$3 indicat\$3) near6 (run\$4 execut\$3 thread\$2))) and (application program applet execut\$3)) and (updat\$3 increas\$3 decreas\$3 modif\$4 reduc\$3 low\$3 high\$3 increment\$3 indicat\$3 chang\$3)) and (resource near3 indicator)) and (allocat\$3 deallocat\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/13 10:25
-	21	((((((resource near3 (usage track\$3 monitor\$3 indicat\$3 manag\$3)) and (resource near5 (threshold usage) )) and (monitor near6 execut\$3)) and (application program applet execut\$3)) and (updat\$3 increas\$3 decreas\$3 modif\$4 reduc\$3 low\$3 high\$3 increment\$3 indicat\$3 chang\$3) ) and (below\$3 near5 threshold)) and ((exceed\$3 above\$3) near5 threshold)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/13 16:23
-	64	((out near3 memory) near6 exception\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/13 16:01
-	4	((error\$3 near5 ((exceed\$3 above\$3) near5 threshold))) and (memory near6 exception\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/13 16:03

-	32	"out_of_memory"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/13 16:08
-	3	(((((resource near3 (usage track\$3 monitor\$3 indicat\$3 manag\$3)) and (resource near5 (threshold usage) )) and ((track\$3 monitor check\$3 indicat\$3) near6 (run\$4 execut\$3 thread\$2))) and (application program applet execut\$3)) and (updat\$3 increas\$3 decreas\$3 modif\$4 reduc\$3 low\$3 high\$3 increment\$3 indicat\$3 chang\$3) ) and (below\$3 near5 threshold)) and (error\$3 near5 ((exceed\$3 above\$3) near5 (limit\$3 threshold)))) and exception	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/13 16:14
-	27	(((((resource near3 (usage track\$3 monitor\$3 indicat\$3 manag\$3)) and (resource near5 (threshold usage) )) and ((track\$3 monitor check\$3 indicat\$3) near6 (run\$4 execut\$3 thread\$2))) and (application program applet execut\$3)) and (updat\$3 increas\$3 decreas\$3 modif\$4 reduc\$3 low\$3 high\$3 increment\$3 indicat\$3 chang\$3) ) and (below\$3 near5 threshold)) and (error\$3 near5 ((exceed\$3 above\$3) near5 (limit\$3 threshold)))) and exception	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/27 16:01
-	118	((allocat\$3 same ((below\$3 low\$3)near5 (limit\$3 usag\$3 threshold))) and ((exceed\$3 abov\$3)near5 (limit\$3 usag\$3 threshold))) and (indicat\$3 near5 (error exception))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/14 08:41
-	0	((allocat\$3 same ((below\$3 low\$3)near5 (limit\$3 usag\$3 threshold))) and ((exceed\$3 abov\$3)near5 (limit\$3 usag\$3 threshold))) and (indicat\$3 near5 (error exception))) and (resource near3 indicator)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/30 11:33
-	58	((allocat\$3 same ((below\$3 low\$3)near5 (limit\$3 usag\$3 threshold))) and ((exceed\$3 abov\$3)near5 (limit\$3 usag\$3 threshold))) and (indicat\$3 near5 (error exception))) and (indicator)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/14 08:42
-	37	((memory near5 (exception error\$3))) and (garbage near3 collect\$3)) and (throw\$3 near5 exception)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/15 11:35
-	9	((memory near5 (exception error\$3))) and (garbage near3 collect\$3)) and (throw\$3 near5 exception) ) and applet	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/15 11:36
-	0	((cpu resource memor\$3) near5 (usage use used using consumption consum\$3)) with ((another second) near5 (threshold limit\$5 watermark water-mark (water adj2 mark)) near5 (drop\$4 low\$2 down fall\$3 fell))) same (applet code instruction application program process\$2) ) and ( (applet code instruction application program process\$2) near5 priorit\$3) same (boost\$3 rais\$3 up high)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/30 11:36
-	2	((cpu resource memor\$3) near5 (usage use used using consumption consum\$3)) with ((another second) near5 (threshold limit\$5 watermark water-mark (water adj2 mark)) near5 (drop\$4 low\$2 down fall\$3 fell))) same (applet code instruction application program process\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/23 10:43
-	2	"5838968" .pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/27 16:02

-	2	("5838968" .pn.) and (task\$3 code sourc\$3 own\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/27 16:03
-	1	((("5838968" .pn.) and (task\$3 code sourc\$3 own\$3)) and (origin\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/27 16:32
-	1	((("5838968" .pn.) and (task\$3 code sourc\$3 own\$3)) and (origin\$5)) and (process\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/27 16:35
-	4082	((resource memory) same (usage using manag\$5) same (object thread\$3 instance) same (track\$3 monitor\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/27 16:54
-	1538	((resource memory) same (usage using manag\$5) same (object thread\$3 instance) same (track\$3 monitor\$3))) and ((thread object instance) with (creat\$3 instantiat\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/27 16:56
-	94	((resource memory) same (usage using manag\$5) same (object thread\$3 instance) same (track\$3 monitor\$3))) and ((thread object instance) with (creat\$3 instantiat\$3))) and ((resource memory) same (indicat\$3) same (updat\$3 chang\$3 modif\$7) same (referenc\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/27 17:21
-	12	((resource memory) same (usage using manag\$5) same (object thread\$3 instance) same (track\$3 monitor\$3))) and ((thread object instance) with (creat\$3 instantiat\$3))) and ((resource memory) same (indicat\$3) same (updat\$3 chang\$3 modif\$7) same (referenc\$3))) and (applet same (run\$4 execut\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/29 09:12
-	12	((resource memory) same (usage using manag\$5) same (object thread\$3 instance) same (track\$3 monitor\$3))) and ((thread object instance) with (creat\$3 instantiat\$3))) and ((resource memory) same (indicat\$3) same (updat\$3 chang\$3 modif\$7) same (referenc\$3))) and (applet same (run\$4 execut\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/29 09:12
-	97	((resource memory) same (usage using manag\$5) same (object thread\$3 instance) same (track\$3 monitor\$3))) and ((thread object instance) with (creat\$3 instantiat\$3))) and ((resource memory) same (indicat\$3 track\$3) same (updat\$3 chang\$3 modif\$7) same (referenc\$3))) and ((applet code) same (run\$4 execut\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/29 09:16
-	169	((resource memory) same (usage using manag\$5) same (object thread\$3 instance) same (track\$3 monitor\$3))) and ((thread object instance) with (creat\$3 instantiat\$3))) and ((resource memory) same (indicat\$3 track\$3) same (updat\$3 chang\$3 modif\$7) same (referenc\$3 code applet))) and ((applet code) same (run\$4 execut\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/29 09:17
-	122	((resource memory) same (usage using manag\$5) same (object thread\$3 instance) same (track\$3 monitor\$3))) and ((thread object instance) with (creat\$3 instantiat\$3))) and ((resource memory) same (indicat\$3 track\$3) same (updat\$3 chang\$3 modif\$7) same (referenc\$3 code applet))) and ((applet code) same (run\$4 execut\$5)) ) and ((applet code) same (site source own\$3 website company))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/29 09:19
-	105	((resource memory) same (usage using manag\$5) same (object thread\$3 instance) same (track\$3 monitor\$3))) and ((thread object instance) with (creat\$3 instantiat\$3))) and ((resource memory) same (indicat\$3 track\$3) same (updat\$3 chang\$3 modif\$7) same (referenc\$3 code applet))) and ((applet code) same (run\$4 execut\$5)) ) and ((applet code) same (site source website))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/29 09:19

-	86	((((((resource memory) same (usage using manag\$5) same (object thread\$3 instance) same (track\$3 monitor\$3))) and ((thread object instance) with (creat\$3 instantiat\$3))) and ((resource memory) same (indicat\$3 track\$3) same (updat\$3 chang\$3 modif\$7) same (referenc\$3 code applet))) and ((applet code) same (run\$4 execut\$5)) ) and ((applet code) same (site source website) same (call\$3 request\$3 invok\$3 run\$4 execut\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/10/29 09:20
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<near/2> mark)) <paragraph> (drop
low down fall fell))) <paragraph>
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instance object process$2))
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process) <near> priority) <near>
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1 [Efficient network and I/O throttling for fine-grain cycle stealing](#) 100%

 Kyung D. Ryu , Jeffrey K. Hollingsworth , Peter J. Keleher

**Proceedings of the 2001 ACM/IEEE conference on  
Supercomputing (CDROM) November 2001**

This paper proposes and evaluates a new mechanism, rate windows, for I/O and network rate policing. The goal of the proposed system is to provide a simple, yet effective way to enforce resource limits on target classes of jobs in a system. This work was motivated by our Linger Longer infrastructure, which harvests idle cycles in networks of workstations. Network and I/O throttling is crucial because Linger Longer can leave guest jobs on non-idle nodes and machine owners should not be adversely a ...

- 2 Progress-based regulation of low-importance processes 100%  
4 John R. Douceur , William J. Bolosky  
**ACM SIGOPS Operating Systems Review , Proceedings of the  
seventeenth ACM symposium on Operating systems principles**  
December 1999  
Volume 33 Issue 5  
MS Manners is a mechanism that employs progress-based regulation  
to prevent resource contention with low-importance processes from  
degrading the performance of high-importance processes. The  
mechanism assumes that resource contention that degrades the  
performance of a high-importance process will also retard the  
progress of the low-importance process. MS Manners detects this  
contention by monitoring the progress of the low-importance process  
and inferring resource contention from a drop in the p ...
- 3 Toward a method of object-oriented concurrent programming 100%  
4 Denis Caromel  
**Communications of the ACM** September 1993  
Volume 36 Issue 9
- 4 Batch class process scheduler for Unix SVR4 100%  
4 Jan Braams  
**ACM SIGMETRICS Performance Evaluation Review ,  
Proceedings of the 1995 ACM SIGMETRICS joint international  
conference on Measurement and modeling of computer systems**  
May 1995  
Volume 23 Issue 1

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